| · ·          | Index of Claims |                    |          |           |           |                      |           |            |          |          |     |           |          |            | Ap                         | Application/Control No. |              |              |          |             |          |        |                |            |                | Applicant(s)/Patent under<br>Reexamination |               |              |         |              |          |          |     |  |
|--------------|-----------------|--------------------|----------|-----------|-----------|----------------------|-----------|------------|----------|----------|-----|-----------|----------|------------|----------------------------|-------------------------|--------------|--------------|----------|-------------|----------|--------|----------------|------------|----------------|--|---------------|--------------|---------|--------------|----------|----------|-----|--|
|              |                 |                    |          |           |           |                      |           |            |          |          |     |           |          | 10/658,472 |                            |                         |              |              |          |             |          |        |                |            | MIYAIRI ET AL. |  |               |              |         |              |          |          |     |  |
|              |                 |                    |          |           |           |                      |           |            |          |          |     |           |          |            | Examiner<br>Phillip Nguyen |                         |              |              |          |             |          |        |                |            | Art Unit       |  |               |              |         |              |          |          |     |  |
|              |                 |                    |          |           |           |                      |           |            |          |          |     |           |          |            |                            |                         |              |              |          |             |          |        |                |            | 2828           |  |               |              |         |              |          |          |     |  |
|              |                 | (Through numer     |          |           |           |                      |           |            |          |          |     |           |          |            |                            | ral)                    |              |              |          |             |          |        |                |            |                |  |               |              |         |              |          |          |     |  |
|              |                 | <b>√</b>           | Re       | jec<br>—  | cte       | d                    |           |            | _        |          |     | Cancelled |          |            |                            |                         | ╛            | N            | <u>'</u> | Non-Elected |          |        |                | Δ          |                | Appeal                                     |               |              |         |              |          |          |     |  |
|              | = Allowed       |                    |          |           |           |                      | +         | Restricted |          |          |     | 1         |          |            |                            | l                       | Interference |              |          |             | 0        | Object |                | ted        | bd             |  |               |              |         |              |          |          |     |  |
| C            | aim_            | n Date             |          |           |           |                      |           | _          |          |          | _ [ | Claim     |          |            |                            | Dat                     |              |              | e        |             |          | Claim  |                |            | Ц              | Date                                       |               |              |         |              |          |          |     |  |
| _            | la!             | 38                 |          |           |           |                      |           |            |          |          | ٠ [ | _         | lai      |            |                            |                         | 1            |              |          |             |          |        | - H            | ם          |                | ١  | 1             | ı            |         |              |          |          |     |  |
| Final        | Original        | 3/16/08            |          |           | l         | İ                    |           | 1          |          |          | 1   | Final     | Original |            |                            |                         |              |              |          |             |          |        | Final          | Original   |                |  | Ì             |              |         |              |          |          |     |  |
| -            | O               | 1                  |          | 1         | Ⅎ         | $\exists$            | ᅥ         |            |          | Ⅎ        | Ŀ   |           | 51       |            | 士                          | 士                       | $\pm$        | 1            | $\pm$    |             |          |        |                | 101        |                |  | $\pm$         | $\pm$        | 土       | $\pm$        |          |          |     |  |
|              | (2)             | 1                  | $\Box$   | $\exists$ | $\exists$ | $\Box$               | $\exists$ |            |          | $\dashv$ | F   |           | 52<br>53 | Н          | $\dashv$                   | 4                       | 4            | Ŧ            | $\perp$  | _           | $\Box$   |        | $\blacksquare$ | 102        | Н              | _  | $\dashv$      | +            | Ŧ       | $\vdash$     | H        | Н        |     |  |
|              | }               |                    | $\dashv$ | +         | $\dashv$  | +                    | $\dashv$  | -          | $\dashv$ | ᅱ        | H   |           | 54       | Н          | $\dashv$                   | +                       | +            | +            | 十        | ┢           | Н        |        | Н              | 104        | Н              | $\dashv$                                   | ┰┼            | 十            | 十       | ╁            | $\vdash$ | $\vdash$ |     |  |
|              | 1               | $\overline{\cdot}$ | $\Box$   | $\Box$    | $\Box$    | $\Box$               | $\Box$    |            |          | 口        | F   |           | 55       | $\square$  | $\Box$                     | $\Box$                  | 1            | 1            | I        |             |          |        |                | 105        |                | $\Box$                                     | 4             | Ţ            | I       | Į            | Г        |          |     |  |
|              | 6               | <u>:</u>           | $\dashv$ | -         |           | -                    | -         | Н          | _        | ᅱ        | ⊦   | _         | 56<br>57 | Н          | $\dashv$                   | +                       | +            | +            | ╀        | ╀           | Н        |        |                | 106<br>107 | ╌              |  | ┪             | +            | ╫       | ╁            | $\vdash$ | Н        | •   |  |
|              | 1 8             | •                  |          | $\dashv$  | $\dashv$  | $\exists$            |           |            |          |          | Ŀ   |           | 58       | Ħ          |                            | 士                       | $\top$       | 土            | T        | t           |          |        |                | 108        |                |  | 士             | $\perp$      | 1       | İ            |          |          |     |  |
|              | 9               | $\overline{}$      |          | $\Box$    | $\Box$    | $\Box$               |           |            |          | $\Box$   | F   |           | 59       | П          | $\Box$                     | $\dashv$                | $\bot$       | $\perp$      | Ţ        |             |          |        |                | 109        |                | $\Box$                                     | 4             | $\perp$      | $\perp$ | 1            |          |          |     |  |
| <u> </u>     | 10              | H                  | $\dashv$ | $\dashv$  | $\dashv$  | -                    |           |            | _        | $\dashv$ | ŀ   | -         | 60<br>61 | ┝┥         | $\dashv$                   | ┥                       | +            | ╫            | ╀        | ╀           | Н        |        | $\vdash$       | 110<br>111 | Н              | $\dashv$                                   | +             | +            | ╁       | ╁            | ╁╌       | Н        |     |  |
| <u> </u>     | 12              | H                  | -        | 十         | ┪         | ┪                    |           | Н          |          | ┪        | . [ |           | 62       | H          |                            | 1                       | T            | <u> </u>     | T        | L           |          |        |                | 112        |                |  |               | 士            | 土       |              | 上        |          |     |  |
|              | 13              | Ŀ                  |          | $\Box$    |           | $\Box$               |           |            |          |          | Γ   |           | 63       |            |                            | $\Box$                  | 4            | $\perp$      | L        | L           |          |        |                | 113        |                |  | $\rightarrow$ | 4            | 4       | +            | L        | Н        | -   |  |
| -            | 14<br>15        | -                  |          | $\dashv$  | -         | 4                    | -         |            |          | 긕        | ╌   |           | 64<br>65 | Н          | $\dashv$                   | +                       | +            | +            | ╁        | ╁           | Н        |        | ├              | 114        |                |  | $\dashv$      | ╫            | ╬       | +            | ┢        | Н        |     |  |
| .            | 16              | H                  |          | $\dashv$  | ┪         | Ħ                    |           |            |          |          | L   |           | 66       |            |                            | $\exists$               | 士            |              | t        | T           |          |        |                | 116        |                |  | 1             | 土            | 土       | İ            | 匸        |          |     |  |
|              | 17              | V                  | П        | $\Box$    | $\Box$    |                      |           |            |          | $\dashv$ | ` F |           | 67       | Ш          | 4                          | 4                       | 4            | $\bot$       | 1        | ╄           | $\sqcup$ |        |                | 117        | Н              | Ц  | 4             | +            | 4       | +            | ┞-       |          |     |  |
| $\vdash$     | 18<br>(19       | 1                  | Н        | $\dashv$  | $\dashv$  | $\dashv$             | Н         | -          | -        | $\dashv$ | .:\ |           | 68<br>69 | $\vdash$   | -                          | ╅                       | +            | ╁            | 十        | ╁╴          | Н        |        |                | 118<br>119 |                | Н  | 十             | ┰            | ╫       | ╁╴           | ╁        | Н        |     |  |
|              | /20             | =                  |          |           |           |                      |           |            |          |          |     |           | 70       |            |                            | ╛                       | 1            | 1            | 上        |             |          |        |                | 120        |                |  | コ             | 丰            | 工       | 丰            |          |          |     |  |
|              | 21              |                    |          | $\dashv$  | 4         | Ц                    |           |            |          | $\Box$   | -   |           | 71<br>72 | Ц          | $\dashv$                   | 4                       | +            | +            | +        | ╀           | H        |        |                | 121<br>122 |                | Н  | 4             | +            | +       | ╀            | $\vdash$ | Н        |     |  |
| -            | 22<br>23        | $\vdash$           | Н        | $\dashv$  | ┥         | $\dashv$             | -         | Н          | -        | $\dashv$ | ŀ   |           | 73       | $\vdash$   | ┪                          | +                       | +            | ╅            | ╁        | ╀           | Н        | ;      |                | 123        |                | Н  | $\dashv$      | 十            | ╁       | +            | ╁        | Н        | ĺ   |  |
|              | 24              |                    |          |           |           |                      |           | 1.         |          |          | E   |           | 74       |            | ╛                          |                         |              |              | 土        |             |          |        |                | 124        |                |  |               | 工            | 工       | 工            |          |          |     |  |
|              | 25              | L                  | П        |           |           |                      |           |            |          |          | F   |           | 75<br>76 | Н          | 4                          | 4                       | 4            | +            | +        | ╀           | $\vdash$ |        | <u> </u>       | 125<br>126 |                | Н  | +             | +            | ╬       | +            | ╀        | Н        | ·   |  |
| -            | 26<br>27        | ŀ                  | Н        | $\dashv$  | $\dashv$  | Н                    | _         | _          | -        | $\dashv$ | H   |           | 77       | Н          | 1                          | $\dashv$                | +            | +            | +        | ╁           |          | :      | <u> </u>       | 127        | $\vdash$       | Н  | _             | +            | ╈       | 十            | $\vdash$ | Н        |     |  |
|              | 28              |                    |          |           |           |                      |           |            |          |          | t   |           | 78       |            | ╛                          | コ                       | 士            | 土            | 1        | L           |          |        |                | 128        |                |  |               | ユ            | 土       | 工            |          |          | l   |  |
|              | 29              | Г                  |          |           | $\Box$    |                      |           |            | 匚        | Д        | F   |           | 79       | П          | _                          | 4                       | $\bot$       | $\perp$      | $\bot$   | F           | $\Box$   |        |                | 129        | $\vdash$       | Щ  | $\dashv$      | 4            | 4       | +            | 1        | Н        | 1   |  |
|              | 30              | $\vdash$           | Н        |           | $\dashv$  | ${oldsymbol{ec{H}}}$ | Н         | -          | -        | Н        | -   | _         | 80<br>81 | Н          | $\dashv$                   | $\dashv$                | +            | ╁            | ╁        | +           | $\vdash$ | "      | <b>—</b>       | 130<br>131 | $\vdash$       | Н  | $\dashv$      | +            | +       | +            | +        | Н        |     |  |
| <u> </u>     | 32              | $\vdash$           | H        |           |           | Н                    | Н         |            |          |          | ŀ   |           | 82       | Ħ          | ╛                          | 寸                       | 士            | 士            | 士        |             |          |        |                | 132        |                |  |               | 士            | 土       | I            |          |          |     |  |
|              | 33              | Г                  | П        |           | $\Box$    | П                    |           |            |          | 口        |     |           | 83       | П          | $\Box$                     | <b>コ</b>                | 7            | Ţ            | F        | F           | $\Box$   |        |                | 133        |                | Ц  | $\dashv$      | $\downarrow$ | T       | F            | F        | П        | 1   |  |
| <del> </del> | 34<br>35        | ├                  | Н        |           | $\dashv$  | $\dashv$             | Н         | $\vdash$   | $\vdash$ | Н        | }   |           | 84<br>85 | Н          | $\dashv$                   | 4                       | +            | +            | ┿        | ╁           | $\vdash$ | Ì      | $\vdash$       | 134<br>135 |                | H  | +             | +            | +       | 十            | ╁        | H.       | 1 . |  |
|              | 36              | H                  | H        | $\dashv$  | $\dashv$  | H                    | Н         | Т          |          |          | 十   |           | 86       |            | _                          | _†                      | _†           | 1            | T        | İ           |          | Í      |                | 136        |                |  |               | 士            | 士       | 土            | T        |          |     |  |
|              | 37              | Г                  |          |           |           |                      |           |            |          |          |     |           | 87       |            | $\Box$                     | $\Box$                  | $\Box$       | $\downarrow$ | T        | Γ           | Γ        |        |                | 137        |                | П  | $\Box$        | T            | Τ.      | Ţ            | Γ        | П        | 1   |  |
| ļ            | 38<br>39        | H                  | Н        | Н         | $\dashv$  | Н                    | Н         | $\vdash$   | <u> </u> | Н        | -   |           | 88<br>89 | Н          | $\dashv$                   | -                       | +            | +            | +        | ╀           | $\vdash$ |        | <u> </u>       | 138<br>139 |                | Н  | $\dashv$      | +            | +       | +            | ╁        | Н        | 1   |  |
| -            | 40              | H                  | Н        | $\vdash$  | $\dashv$  | Н                    | H         | ┝          | $\vdash$ | H        | ŀ   |           | 90       | H          | ᅱ                          | +                       | +            | +            | +        | +           | $\vdash$ | 1      |                | . 140      |                | H  | _             | +            | +       | $^{\dagger}$ | T        | Н        | 1   |  |
|              | 41              | Γ                  |          |           |           |                      |           |            |          |          | Į   |           | 91       |            |                            | コ                       | $\downarrow$ | #            | T        | Γ           | П        |        |                | 141        | l              |  | 耳             | 1            | 1       | T            | Γ        |          | 1   |  |
|              | 42              | $\vdash$           | Н        | Ц         |           | Ц                    |           | _          | <u> </u> | Ц        | -   |           | 92       | H          | _                          |                         | 4            | +            | ╀        | ╀           | $\vdash$ |        | <del></del>    | 142<br>143 |                | Н  | $\dashv$      | +            | +       | +            | +        | Н        | 1   |  |
| -            | 43              | +-                 | Н        | $\vdash$  | $\dashv$  | Н                    | Н         | Н          | $\vdash$ | $\dashv$ | H   |           | 94       | Н          | $\dashv$                   | $\dashv$                | $\dashv$     | +            | +        | T           | T        | 1      | $\vdash$       | 144        |                | H  | +             | +            | 十       | 十            | T        | Н        |     |  |
|              | 45              |                    |          |           |           |                      |           |            |          |          | t   |           | 95       |            |                            | ゴ                       | 士            | 土            | 1        | I           | Г        |        |                | 145        |                |  | $\Box$        | 丁            | 工       | I            |          |          | 1   |  |
|              | 46              |                    | П        | $\square$ | $\Box$    | П                    | П         |            |          |          | F   |           | 96       | П          |                            | 4                       | $\bot$       | #            | Ŧ        | F           | F        | 1      | <u> </u>       | 146        |                | Ш  | $\dashv$      | 4            | +       | 4            | H        | Н        | 4   |  |
|              | 47              | +                  | Н        | dash      | $\dashv$  | Н                    | Н         | Н          | $\vdash$ | $\dashv$ | ŀ   |           | 97<br>98 | Н          | $\dashv$                   | +                       | +            | +            | 十        | ╁           | $\vdash$ | 1      | $\vdash$       | 147<br>148 |                | Н  | +             | +            | +       | +            | +        | H        | 1   |  |
|              | 49              | $\vdash$           | Н        | H         |           | $\Box$               |           |            |          | H        |     |           | 99       |            |                            | ╛                       | 士            | 士            | 土        | İ           |          | ĺ      |                | 149        |                |  |               | I            | 土       | 土            |          |          | 1   |  |
|              | 50              | Π                  | П        |           |           |                      |           |            |          |          | Γ   |           | 100      |            | $\overline{\cdot}$         | П                       | Т            | Т            | Т        | Т           | ľ        | 1      |                | 150        | Г              | П  |               | T            | Т       |              | 1        |          | 1 . |  |